

# **MEMEX: Mechanisms of Energetic Mass Ejection Explorer**

The MEMEX Science Team

MEMEX is a NASA phase A mission proposal designed to find out how gravitationally-trapped volatile matter is being eroded from the terrestrial atmosphere by energetic processes. The mission proposal consists of two low orbit spacecraft in near polar orbit with support from ground based instrumentation. In this talk, we provide an overview of the science objectives, orbit constellation and instrumentation.